Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/26/2017 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124066	-1	2.06	123949	2.00
Blue	F	SSC	125000	123275	-2	3.71	123716	3.53
Blue	E	FITC	23355	22500	-4	2.71	1003	10.38
Blue	D	PE	28848	28261	-3	2.39	1015	9.87
Blue	B	PerCP-Cy5-5	47791	47315	-1	3.63	1359	16.76
Blue	A	PE-Cy7	41358	40911	-2	5.21	630	35.20
Red	C	APC	51316	51059	-1	2.77	2946	9.06
Red	A	APC-Cy7	53225	52935	-1	2.75	1093	11.12
Violet	B	V450	14473	13836	-5	3.47	670	9.05
Violet	A	V500	59973	58399	-3	3.11	2601	6.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19660	2.94	607	9	N/A	N/A	Pass
Blue	F	SSC	61267	2.22	537	3	N/A	N/A	Pass
Blue	E	FITC	112	40.12	542	-2	0.0207	216	Pass
Blue	D	PE	222	28.24	537	-1	0.1548	199	Pass
Blue	B	PerCP-Cy5-5	214	44.84	628	-2	0.0104	123	Pass
Blue	A	PE-Cy7	71	115.31	679	-2	0.0122	15	Pass
Red	C	APC	345	27.27	590	-4	0.0228	143	Pass
Red	A	APC-Cy7	121	39.54	570	-6	0.0057	1555	Pass
Violet	B	V450	80	43.24	474	3	0.0409	1735	Pass
Violet	A	V500	188	24.27	505	4	0.0132	594	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-31.72	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	19.19	13.27 - 19.91	N/A	N/A	31.65	32.13	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14569

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments